

Table 8.1 Nuclear Energy Overview

	Total Operable Units ^{a,b}	Net Summer Capacity of Operable Units ^{b,c}	Nuclear Electricity Net Generation	Nuclear Share of Electricity Net Generation	Capacity Factor ^d
	Number	Million Kilowatts	Million Kilowatthours	Percent	
1957 Total	1	0.055	10	(s)	NA
1960 Total	3	.411	518	.1	NA
1965 Total	13	.793	3,657	.3	NA
1970 Total	20	7.004	21,804	1.4	NA
1975 Total	57	37.267	172,505	9.0	55.9
1980 Total	71	51.810	251,116	11.0	56.3
1985 Total	96	79.397	383,691	15.5	58.0
1990 Total	112	99.624	576,862	19.0	66.0
1995 Total	109	99.515	673,402	20.1	77.4
2000 Total	104	97.860	753,893	19.8	88.1
2005 Total	104	99.988	781,986	19.3	89.3
2006 Total	104	100.334	787,219	19.4	89.6
2007 Total	104	100.266	806,425	19.4	91.8
2008 Total	104	100.755	806,208	19.6	^d91.1
2009 Total	104	101.004	798,855	20.2	90.3
2010 Total	104	101.167	806,968	19.6	91.1
2011 Total	104	^c101.419	790,204	19.3	89.1
2012 Total	104	101.885	769,331	19.0	86.1
2013 Total	100	99.240	789,016	19.4	89.9
2014 Total	99	98.569	797,166	19.5	91.7
2015 Total	99	98.672	797,178	19.6	92.3
2016 Total	99	99.565	805,694	19.8	92.3
2017 Total	99	99.629	804,950	20.0	92.3
2018 Total	98	99.433	807,084	19.3	92.5
2019 Total	96	98.119	809,409	19.6	93.4
2020 January	96	98.094	74,170	21.7	101.6
February	96	98.094	65,911	20.6	96.5
March	96	98.094	63,997	20.7	87.7
April	95	97.082	59,170	21.2	83.9
May	95	97.082	64,338	21.1	89.1
June	95	97.082	67,205	19.1	96.2
July	95	97.082	69,385	16.9	96.1
August	95	97.082	68,982	17.3	95.5
September	94	97.082	65,727	19.7	94.0
October	94	97.102	59,362	18.9	82.2
November	94	96.501	61,760	20.5	88.9
December	94	96.501	69,871	20.3	97.3
Total	94	96.501	789,879	19.7	92.4
2021 January	94	^E 96.531	71,732	20.4	^E 99.9
February	94	^E 96.531	62,954	19.3	^E 97.0
March	94	^E 96.531	63,708	20.4	^E 88.7
April	93	^E 95.492	57,092	19.5	^E 82.2
May	93	^E 95.492	63,394	19.9	^E 89.2
June	93	^E 95.492	66,070	17.7	^E 96.1
July	93	^E 95.492	68,832	17.0	^E 96.9
August	93	^E 95.492	69,471	16.8	^E 97.8
September	93	^E 95.492	64,484	18.5	^E 93.8
October	93	^E 95.492	56,945	17.8	^E 80.2
November	93	^E 95.492	62,749	19.9	^E 91.3
December	93	^E 95.492	70,720	20.8	^E 99.5
Total	93	^E 95.492	778,152	18.9	^E 92.7
2022 January	93	^E 95.489	70,577	18.6	^E 99.3
February	93	^E 95.484	61,862	18.9	^E 96.4
2-Month Total	93	^E 95.484	132,439	18.7	^E 98.0
2021 2-Month Total	94	^E 96.531	134,687	19.9	^E 98.6
2020 2-Month Total	96	98.094	140,080	21.2	99.2

^a Total of nuclear generating units holding full-power licenses, or equivalent permission to operate, at end of period. See Note 1, "Operable Nuclear Reactors," at end of section.

^b At end of period.

^c For the definition of "Net Summer Capacity," see Note 2, "Nuclear Capacity," at end of section. Beginning in 2011, monthly capacity values are estimated in two steps: 1) uprates and derates reported on Form EIA-860M are added to specific months; and 2) the difference between the resulting year-end capacity (from data reported on Form EIA-860M) and final capacity (reported on Form EIA-860) is allocated to the month of January.

^d Beginning in 2008, capacity factor data are calculated using a new

methodology. For an explanation of the method of calculating the capacity factor, see Note 2, "Nuclear Capacity," at end of section.

^E=Estimate. NA=Not available. (s)=Less than 0.05%.

Notes: • For a discussion of nuclear reactor unit coverage, see Note 1, "Operable Nuclear Reactors," at end of section. • Nuclear electricity net generation totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 states and the District of Columbia.

Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#nuclear> (Excel and CSV files) for all available annual data beginning in 1957 and monthly data beginning in 1973.

Sources: See end of section.